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MAP2 Monoclonal Antibody(7D4)

Catalog # AP63321

Specification

MAP2 Monoclonal Antibody(7D4) - Product Information

Application	**IHC-P, IF**
Primary Accession	P11137
Reactivity	**Human, Mouse, Rat**
Host	**Mouse**
Clonality	**Monoclonal**

MAP2 Monoclonal Antibody(7D4) - Additional Information

Gene ID 4133

Other Names
MAP2; Microtubule-associated protein 2; MAP-2

Dilution
IHC-P~~N/A
IF~~IHC 1:200 IF 1:50-200

Format
PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.

Storage Conditions
-20℃

MAP2 Monoclonal Antibody(7D4) - Protein Information

Name MAP2

Function
The exact function of MAP2 is unknown but MAPs may stabilize the microtubules against depolymerization. They also seem to have a stiffening effect on microtubules.

Cellular Location
Cytoplasm, cytoskeleton. Cell projection, dendrite {ECO:0000250|UniProtKB:P20357}

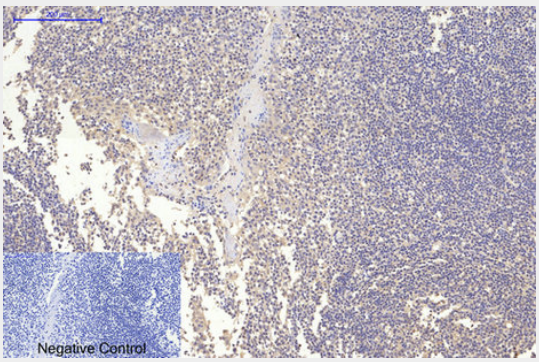
MAP2 Monoclonal Antibody(7D4) - Protocols

Provided below are standard protocols that you may find useful for product applications.

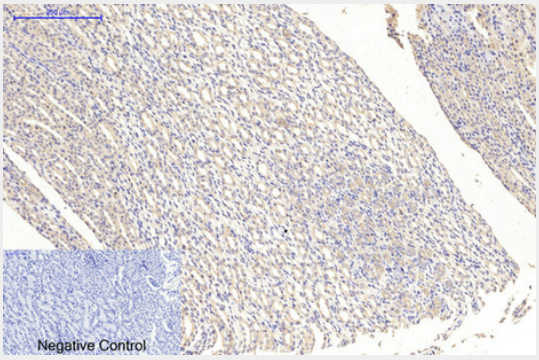
- Western Blot
- Blocking Peptides
- Dot Blot

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

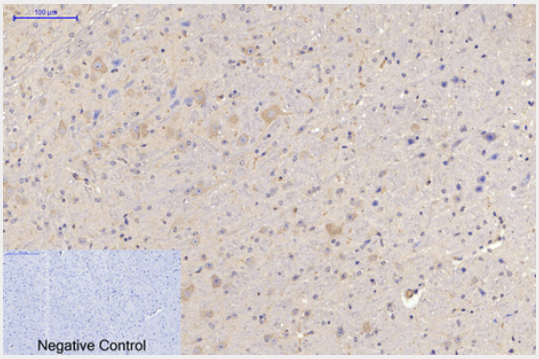
MAP2 Monoclonal Antibody(7D4) - Images



Immunohistochemical analysis of paraffin-embedded Human-Tonsil tissue. 1,MAP2 Monoclonal Antibody(7D4) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue. 1,MAP2 Monoclonal Antibody(7D4) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mouse-brain tissue. 1,MAP2 Monoclonal Antibody(7D4) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature,

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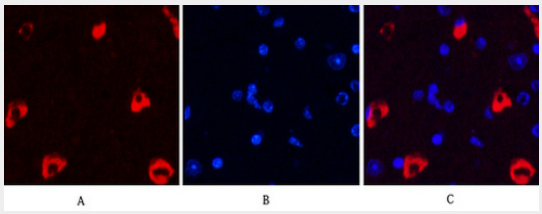
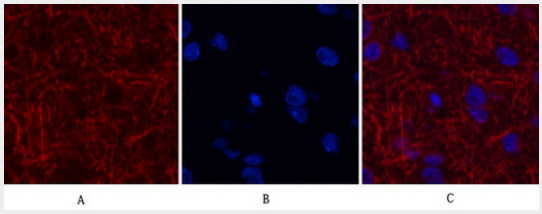


Immunofluorescence analysis of Mouse-brain tissue. 1,MAP2 Monoclonal Antibody(7D4)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



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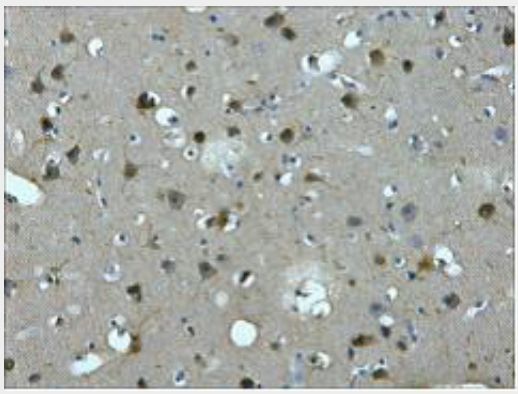
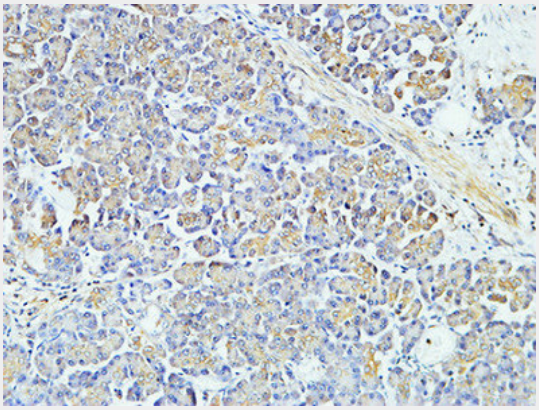
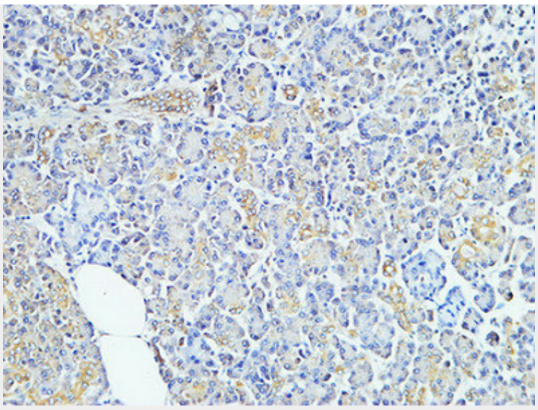


IHC staining of Human brain tissue paraffin-embedded, diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Human pancreas. 1, Antibody was diluted at 1:400(4°,overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



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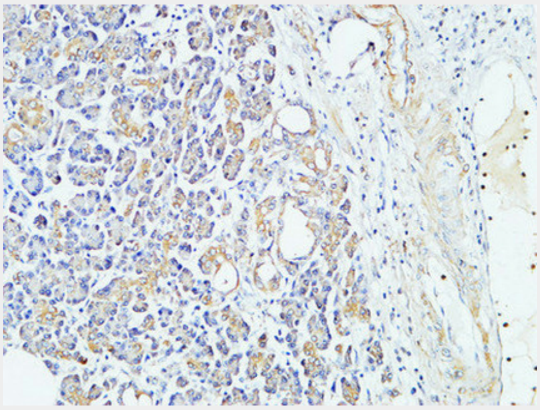

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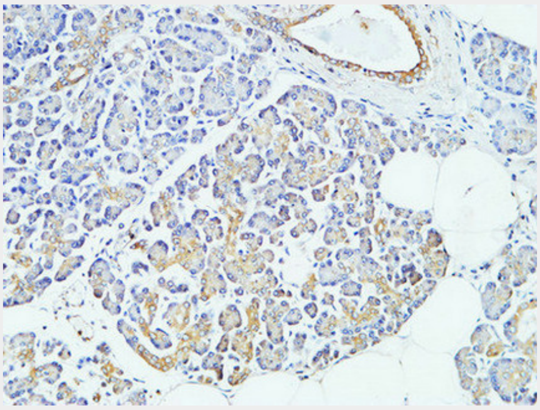

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MAP2 Monoclonal Antibody(7D4) - Citations

- NLRP3-GABA signaling pathway contributes to the pathogenesis of impulsive-like behaviors

and cognitive deficits in aged mice